

STORAGE DEVICE EMPLOYING REPLACEABLE STORAGE MEDIUM

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ABSTRACT OF THE DISCLOSURE

10 A compact inexpensive optical disk drive adaptable
to high-density optical disks is provided by improving a
loading mechanism for an optical disk. A mechanism for
loading an optical disk, in or from which information is
optically recorded or reproduced, into the body of an
optical disk drive is mounted on a chassis. The loading
mechanism consists of a spindle motor, a lift plate, and
15 a sheet loader. The spindle motor rotates an optical
disk. The spindle motor is placed on the lift plate.
The sheet loader moves the lift plate vertically to the
chassis so as to attach or detach the spindle motor to or
from the optical disk. In the storage device, the tilt
20 of the lift plate relative to the chassis is adjusted at
three points on the lift plate. Blade springs for
constraining the lift plate to move towards the optical
disk are interposed between the chassis and lift plate.
The points to which spring forces exerted by the blade
25 springs are applied are located on a surface of the lift
plate opposite to the optical disk.